RailSys®

RailSys® Workflow

1 — **2** — **3** — **4** — **5** — **6** →

Database

Infrastructure | Rolling stock | Timetable and operational data | Dispatching rules

Infrastructure

- Existing assets
  - Lines
  - Signalling systems
  - Overhead wiring

Construction

- Restricted utilisations on a daily basis
  - Speed restrictions
  - Blockings
  - Shutdown of overhead wiring

Running time

- Rolling stock
- Insertion of train paths with origin and destination
- Consideration of stopping patterns
- Track occupation
- Each element can be set individually

Timetable construction
Path management

- Shifting of train paths
- Additional stops
- Extension and shortening of stopping times
- Turn around and waiting times
- Coupling and splitting of trains
- Strengths and weaknesses

Construction management

- Operation during construction work
- Rerouting
  - Track section
  - Blockings
- Operational cost increase
- Report of possession planning

Capacity planning

- Assessment of requirements
- Capacity consumption
- Remaining capacity

Timetable simulation
Operational simulation

- Synchronous simulation
- Timetable simulation with evaluation and solution of conflicted timetables
- Operational simulation with evaluation of robustness and quality of timetables planned
- Comparison of variants

Construction simulation

- Consideration of works planned in the actual operation
- Rerouting
- Feasibility study

Documents

Position plan

Working timetable

Platform working

Transport map

Paths per orderer

TSR booklet

Evaluation

Points usage report

Tabular timetable statistics

Track statistics

Graphical timetable statistics

Statistics of level crossings

Statistics of obstructions

Data export

Graphics and tables, e.g. in RailSys®XML, XML, TAF/TAP, TSI, Excel

RailSys® enables the technical as well as operational planning for railway transport. Here you can see the workflow of our software. It directly corresponds to actual planning and process steps that are known from the railway business so that each action in the system follows your processes and is transparent to you. The new and improved appearance of the graphical user interface that we introduced in RailSys® 10 accentuates this and its design supports the workflow.

During all of your planning steps, we can respond to your individual solution finding as the parameters are adapted.